Thermochimica Acta, 192 (1991) 327
Elsevier Science Publishers B.V., Amsterdam

AUTHOR INDEX

Altounian, Z., 85

Balek, V., 1
Bernes, A., 155
Betterton, K., 47
Blazey, S.D., 191
Boye, J., 147

Chan, E., 209
Chang, C., 181
Chatain, D., 155
Cooney, D., 165
Coumou, K.G., 129
Czarnecki, J., 107

Dallek, S., 323
Demont, Ph., 147

Gallagher, P.K., 35

Hamer, C.A., 73
Hammond, D.R., 65
Hankin, S.H.W., 65
Harmand, M.F., 313
Harrison, I.R., 233
Henry, K., 129
Hickey, G.S., 199
Hiltz, J.A., 221
Hoffman, R., 135
Huang, C.-W., 29
Huang, J., 35

Ibar, J.P., 91, 243, 265, 297

Kabacoff, K., 323

Lacabanne, C., 147, 155, 313
Lamure, A., 313
Le Parlouer, P., 55
Lee, J.-S., 29
Liang, D.T., 73
Ling, M.T.K., 209
Lorentz, G., 155

Mao, M., 85
Martin, M., 313
Martinez, J.J., 147
Matthiesen, A., 243
McIntyre, R., 243
Morchat, R.M., 221

Niezette, J., 287
Norr, M., 323

Pan, W.-P., 29, 135
Perng, J.-C., 29
Phillips, E.A., 191
Politis, E., 165

Rush, R.M., 171

Saffell, J.R., 243
Sha, H., 233
Siemens, R.L, 47

Tackett, J.R., 181
Teraoka, I., 47
Thielen, A., 287
Tuma, L.D., 121
Twieg, R.J., 47

Vanderschueren, J., 287

Warne, S.St.J., 19
Wilson, L.J., 73
Woo, L., 209

Yianakopoulos, G., 287

Zhang, X., 233

Thermochimica Acta, 192 (1991) 329–331
Elsevier Science Publishers B.V., Amsterdam

SUBJECT INDEX

Advanced materials
New direct measurement techniques for thermal conductivity, thermal diffusivity, and specific heat of advanced materials, 129
Amorphous phase
Comparing thermal stimulated current (TSC) with other thermal analytical methods to characterize the amorphous phase of polymers, 243
Multiple compensation phenomena in the amorphous phase of polymers, 265

Binder burnout
Observation on using thermogravimetry as a tool to monitor binder burnout in ceramics, 65
Biocomposite
Thermostimulated current study of the dynamic behaviour of a biocomposite: calcified tissue, 313

Calcified tissue
Thermostimulated current study of the dynamic behaviour of a biocomposite: calcified tissue, 313
CaO/P_2O_5 glass
A study of the effects of CeO_2 on the crystallization of CaO/P_2O_5 glass, 29
CeO_2
A study of the effects of CeO_2 on the crystallization of CaO/P_2O_5 glass, 29
Ceramics
Selection of an optimum calorimetry method for measuring specific heat of ceramics at high temperature, 55
Observation of using thermogravimetry as a tool to monitor binder burnout in ceramics, 65
Circulating fluidized bed comb
A TG method for evaluation of limestone sorbents used in circulating fluidized bed combustors, 73
Compensation law
A dual split kinetics interpretation of compensation law at the T_g of amorphous polymers, 297
On the use of the compensation law to describe cooperative relaxation kinetics in thermally stimulated processes: a new view, 91
Compensation phenomena
Multiple compensation phenomena in the amorphous phase of polymers, 265

Cooperative relaxation kinetics
On the use of the compensation law to describe cooperative relaxation kinetics in thermally stimulated processes: a new view, 91
Crystal
Dielectric studies of ferroelectric liquid crystals, 47
Crystallization kinetics
Comparison of crystallization kinetics studied by DSC and TGA, 85

DDM
Molecular mobility associated with T_g in $DGEBA_n$–DDM networks, 147
Decomposition kinetics
Heat- and mass-transfer approach to decomposition kinetics, 107
$DGEBA_n$
Molecular mobility associated with T_g in $DGEBA_n$–DDM networks, 147
Diamond
Oxidation kinetics of type 2A natural diamond [100] and [111] surfaces by TG, 323
Direct measurement techniques
New direct measurement techniques for thermal conductivity, thermal diffusivity, and specific heat of advanced materials, 129
DMTA
A dynamic mechanical thermal analysis (DMTA) study of polyethylenes, 233
DTG
Thermal analysis—a resurgence in the earth sciences: with applied, industrial and environmental aspects, 19
Dual split kinetics
A dual split kinetics interpretation of compensation law at the T_g of amorphous polymers, 297

Earth sciences
Thermal analysis—a resurgence in the earth sciences: with applied, industrial and environmental aspects, 19
EGA
Thermal analysis—a resurgence in the earth sciences: with applied, industrial and environmental aspects, 19
Electron radiation
Effect of electron radiation on polymer matrix systems, 199

Emanation thermal analysis
Emanation thermal analysis and its application potential, 1
Ethylene
Evaluation of ethylene–propylene rubber O-rings for incoming quality control, 171

Ferroelectric liquid crystal
Dielectric studies of ferroelectric liquid crystals, 47
Flammability
A TGA study correlating polymer characteristics with smoke and flammability properties of polyester and phenolic resins, 221
Flight data recorder
Thermal characteristics of the polymeric components of a CF-18 flight data recorder, 165

Heat- and mass-transfer
Heat- and mass-transfer approach to decomposition kinetics, 107

Kinetics
Comparison of crystallization kinetics studied by DSC and TGA, 85
On the use of the compensation law to describe cooperative relaxation kinetics in thermally stimulated processes: a new view, 91
Heat- and mass-transfer approach to decomposition kinetics, 107
A dual split kinetics interpretation of compensation law at the T_g of amorphous polymers, 297
Oxidation kinetics of type 2A natural diamond [100] and [111] surfaces by TG, 323

$Li_2SO_4 \cdot H_2O$
Influence of water vapor on the thermal dehydration of $Li_2SO_4 \cdot H_2O$, 35
Limestone sorbents
A TG method for evaluation of limestone sorbents used in circulating fluidized bed combustors, 73
Liquid crystal
Dielectric studies of ferroelectric liquid crystals, 47

Mass change
Measuring ΔH using TG/DTA and incorporating mass change into the result, 135
Matrix systems
Effect of electron radiation on polymer matrix systems, 199
Molecular mobility
Molecular mobility associated with T_g in $DGEBA_n$–DDM networks, 147

Oxidation kinetics
Oxidation kinetics of type 2A natural diamond [100] and [111] surfaces by TG, 323
Oxidative induction test
Applications of the oxidative induction test to medical polymers, 209

Phenolic resin
Characterization of phenolic resin with thermogravimetry–mass spectrometry, 181
A TGA study correlating polymer characteristics with smoke and flammability properties of polyester and phenolic resins, 221
Poly(ethylene terephthalate)
Influence of orientation in the amorphous phase of poly(ethylene terephthalate), 155
Polyester
A TGA study correlating polymer characteristics with smoke and flammability properties of polyester and phenolic resins, 221
Polyethylene
A dynamic mechanical thermal analysis (DMTA) study of polyethylenes, 233
Polymer
Thermal characteristics of the polymeric components of a CF-18 flight data recorder, 165
Quantitative thermogravimetric analysis of starch contents in several polymer systems, 191
Effect of electron radiation on polymer matrix systems, 199
Applications of the oxidative induction test to medical polymers, 209
A TGA study correlating polymer characteristics with smoke and flammability properties of polyester and phenolic resins, 221
Comparing thermal stimulated current (TSC) with other thermal analytical methods to characterize the amorphous phase of polymers, 243
Multiple compensation phenomena in the amorphous phase of polymers, 265
Study of the thermal relaxation effects in polymers by a conjugated use of thermally stimulated depolarization and polarization current methods, 287
A dual split kinetics interpretation of compensation law at the T_g of amorphous polymers, 297
Process hazards
Identification of process hazards using thermal analytical techniques, 121
Propylene
Evaluation of ethylene–propylene rubber O-rings for incoming quality control, 171

Resin
Characterization of phenolic resin with thermogravimetry–mass spectrometry, 181
A TGA study correlating polymer characteristics with smoke and flammability properties of polyester and phenolic resins, 221

Simultaneous TA
Thermal analysis—a resurgence in the earth sciences: with applied, industrial and environmental aspects, 19
Smoke
A TGA study correlating polymer characteristics with smoke and flammability properties of polyester and phenolic resins, 221
Starch
Quantitative thermogravimetric analysis of starch contents in several polymer systems, 191

TG–MS
Characterization of phenolic resin with thermogravimetry–mass spectrometry, 181
Thermal relaxation effect
Study of the thermal relaxation effects in polymers by a conjugated use of thermally stimulated depolarization and polarization current methods, 287

TM
Thermal analysis—a resurgence in the earth sciences: with applied, industrial and environmental aspects, 19
TMA
Thermal analysis—a resurgence in the earth sciences: with applied, industrial and environmental aspects, 19
TSC
Comparing thermal stimulated current (TSC) with other thermal analytical methods to characterize the amorphous phase of polymers, 243
Thermostimulated current study of the dynamic behaviour of a biocomposite: calcified tissue, 313
TSDC
Study of the thermal relaxation effects in polymers by a conjugated use of thermally stimulated depolarization and polarization current methods, 287
TSPC
Study of the thermal relaxation effects in polymers by a conjugated use of thermally stimulated depolarization and polarization current methods, 287